

*Please provide the following information, and submit to the NOAA DM Plan Repository.*

**Reference to Master DM Plan (if applicable)**

*As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.*

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

**1. General Description of Data to be Managed****1.1. Name of the Data, data collection Project, or data-producing Program:**

Marine Mammal and Sea Turtle Research Collection (MMASTR)

**1.2. Summary description of the data:**

The Southwest Fisheries Science Center in La Jolla houses one of the largest marine mammal and marine turtle sample collections in the world, with over 140,000 tissue samples and over 60,000 DNA samples, spanning over 100 years of collection. These samples have been utilized here at our Center in an array of phylogenetic, ecological and behavioral studies, including analyses of species identification, sex determination, aging, phylogenetic relationships, foraging origin and trophic status by stable isotope techniques, and pregnancy status.

Due to its growing reputation, the collection has become the National Repository for marine turtle samples, as well as a highly trusted repository for marine mammal samples donated by national and international institutions.

**1.3. Is this a one-time data collection, or an ongoing series of measurements?**

Ongoing series of measurements

**1.4. Actual or planned temporal coverage of the data:**

1970 to Present

**1.5. Actual or planned geographic coverage of the data:**

W: -180, E: 180, N: 85, S: -85

**1.6. Type(s) of data:**

*(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)*  
Table (digital)

**1.7. Data collection method(s):**

*(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)*

Instrument: N/A

Platform: N/A

Physical Collection / Fishing Gear: N/A

**1.8. If data are from a NOAA Observing System of Record, indicate name of system:**

**1.8.1. If data are from another observing system, please specify:**

**2. Point of Contact for this Data Management Plan (author or maintainer)**

**2.1. Name:**

Frederick I Archer

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

Southwest Fisheries Science Center

**2.4. E-mail address:**

eric.archer@noaa.gov

**2.5. Phone number:**

(858) 546-7121

**3. Responsible Party for Data Management**

*Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.*

**3.1. Name:**

Frederick I Archer

**3.2. Title:**

Data Steward

**4. Resources**

*Programs must identify resources within their own budget for managing the data they produce.*

**4.1. Have resources for management of these data been identified?**

No

**4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):**

Unknown

**5. Data Lineage and Quality**

*NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.*

**5.1. Processing workflow of the data from collection or acquisition to making it publicly**

**accessible**

*(describe or provide URL of description):*

Lineage Statement:

Tissue samples are accessioned into the database as they arrive at the lab.

**5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:**

**5.2. Quality control procedures employed (describe or provide URL of description):**

Data are quality checked by the curator.

**6. Data Documentation**

*The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.*

**6.1. Does metadata comply with EDMC Data Documentation directive?**

Yes

**6.1.1. If metadata are non-existent or non-compliant, please explain:****6.2. Name of organization or facility providing metadata hosting:**

NMFS Office of Science and Technology

**6.2.1. If service is needed for metadata hosting, please indicate:****6.3. URL of metadata folder or data catalog, if known:**

<https://inport.nmfs.noaa.gov/inport/item/30729>

**6.4. Process for producing and maintaining metadata**

*(describe or provide URL of description):*

Metadata produced and maintained in accordance with the NMFS Data Documentation Procedural Directive: <https://inport.nmfs.noaa.gov/inport/downloads/data-documentation-procedural-directive.pdf>

**7. Data Access**

*NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.*

**7.1. Do these data comply with the Data Access directive?**

No

**7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?**

No

**7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:**

see Data Access Procedure

**7.2. Name of organization of facility providing data access:**

Southwest Fisheries Science Center

**7.2.1. If data hosting service is needed, please indicate:****7.2.2. URL of data access service, if known:**

<https://swfsc.noaa.gov/contentblock.aspx?Division=PRD&id=1228&ParentMenuId=229>

**7.3. Data access methods or services offered:**

The Sample Collection has become a valuable resource and repository of marine mammal and marine turtle samples. Therefore, the samples in the Collection have been made available to qualified researchers upon request in a limited way. We will usually not consider sample requests that exceed 50 samples and will be selective on smaller requests. We recommend that before any project design is considered, researchers contact Kelly Robertson at [Kelly.Robertson@noaa.gov](mailto:Kelly.Robertson@noaa.gov) with the species and number of samples likely to be requested so that we can give a quick reply as to whether we can likely handle the request. We hope this will prevent unnecessary project planning but still accommodate cases where our collection can contribute small numbers of samples to complete and strengthen studies.

We request that a researcher submit a sample request which includes a brief description of the study and how the samples will be used. A Sample Request Committee has been established to review and approve submitted proposals. In general, only DNA is shared. Exceptions may be made for particular studies, if justified.

Please note that not all samples are available for use. This may be due to insufficient material available or because restrictions were placed on the use of the particular sample(s) by its contributor.

If you are interested in obtaining samples, please contact Kelly Robertson at [Kelly.Robertson@noaa.gov](mailto:Kelly.Robertson@noaa.gov), for information and a copy of the Request Guidelines.

**7.4. Approximate delay between data collection and dissemination:**

6 months

**7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:**

## 8. Data Preservation and Protection

*The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.*

### 8.1. Actual or planned long-term data archive location:

*(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)*

NCEI-CO

#### 8.1.1. If World Data Center or Other, specify:

#### 8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

### 8.2. Data storage facility prior to being sent to an archive facility (if any):

Southwest Fisheries Science Center - La Jolla, CA

### 8.3. Approximate delay between data collection and submission to an archive facility:

6 months

### 8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

*Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection*

Data is housed on a secure server with limited editing access

## 9. Additional Line Office or Staff Office Questions

*Line and Staff Offices may extend this template by inserting additional questions in this section.*